

**[54] MODULARLY EXPANDABLE DESKTOP
KEYBOARD**

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[58] **Field of Search** 339/17 M, 17 N, 75 R,
339/75 M, 91 R; 361/384, 392-395, 399, 380,
407

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,401,351	8/1983	Record	339/17 M
4,501,460	2/1985	Sisler	339/91 R
4,558,914	12/1985	Prager et al.	361/413

FOREIGN PATENT DOCUMENTS

0178800 4/1986 European Pat. Off. 361/394

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[57] **ABSTRACT**

A modularly expandable keyboard has expansion modules which are integrated into an elementary keyboard by locking tongues inserted in depressed tracks in the modules and held in place by detents in the attached modules. The detent mechanisms are formed integrally with the housings of the modules and are unstressed when fully engaged. An electrical interconnect plug integrates the electrical busses of attached modules. Modules can be attached to either right or left and additional modules can be attached to already attached modules indefinitely.

11 Claims, 2 Drawing Sheets

